

ABSTRACT OF THE DISCLOSURE

A high-strength, high corrosion-resistant and non-magnetic stainless steel which is further excellent in strength and corrosion resistance and safe in the living body
5 and also can stand against various corrosive environments. The stainless steel comprises 0.15% by weight or less of C, 1.0% or less of Si, 3.0 to 12.0% of Mn, 0.030% or less of P, 0.50% or less of Ni, 15.0 to 21.0% of Cr, 0.70 to 1.50% of N, 0.020% or less of Al and 0.020% or less of O, and a remainder of Fe
10 and inevitable impurities.